

ELECTRONIC TUBE REFERENCE

6GP1

Specialized - Cathode Ray electronic tube

CONSOLIDATED TECHNICAL DATA

2 SECTIONS

CONSTRUCTION

CATHODERAY

Rectangular two-beam mono-accelerator oscilloscope CRT with two independent electrostatic guns sharing accelerator and pattern-adjustment electrodes. It supports simultaneous comparative waveform display.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	6.3 V / 600 mA	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Cathode Ray
No fixed ratings recorded.
Representative row for identical electron-gun sections.

The ETC 6GP1 is a rectangular two-beam mono-accelerator cathode-ray tube. Its two electrostatic guns are independent except for the accelerators and pattern-adjustment electrodes.



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1961 Electronic Tube Corp

Published test conditions and operating points. Values on this page are preserved as reported by this source.

1961 ELECTRONIC TUBE CORP

Section 1 · Cathode Ray

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater voltage	6.3 V	—
Heater current nominal	600 mA	—
Maximum accelerator voltage	3500 V	—
Maximum focusing voltage	1500 V	—
Maximum accelerator-to-deflection-electrode voltage	900 V	—
Maximum negative grid-1 bias magnitude	200 V	—
Maximum positive grid-1 bias	0 V	—
Maximum heater-to-cathode voltage magnitude	180 V	—
Typical accelerator voltage	2500 V	—
Typical focusing voltage	0–1000 V	—
Typical grid-1 voltage	-56--34 V	—
Modulation factor maximum	40 V	—
Line width maximum	0.03 in	—
Minimum P1 light output	15 ft-L	—
Deflection factor D1-D2 minimum	48 V/in	—
Deflection factor D1-D2 maximum	60 V/in	—
Deflection factor D3-D4 minimum	27 V/in	—
Deflection factor D3-D4 maximum	35 V/in	—

CONSTRUCTION		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Focusing method	Electrostatic	—
Deflecting method	Electrostatic	—
Electron gun / beam count	2	—

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Phosphor options	P1,P2,P7,P11	—

CAPACITANCE		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Cathode to all other electrodes	4.8 pF	—
Grid 1 to all other electrodes	4.5 pF	—
D1 to D2	2.8 pF	—
D3 to D4	1.9 pF	—